



CPC (Compact Pulse Compressor)

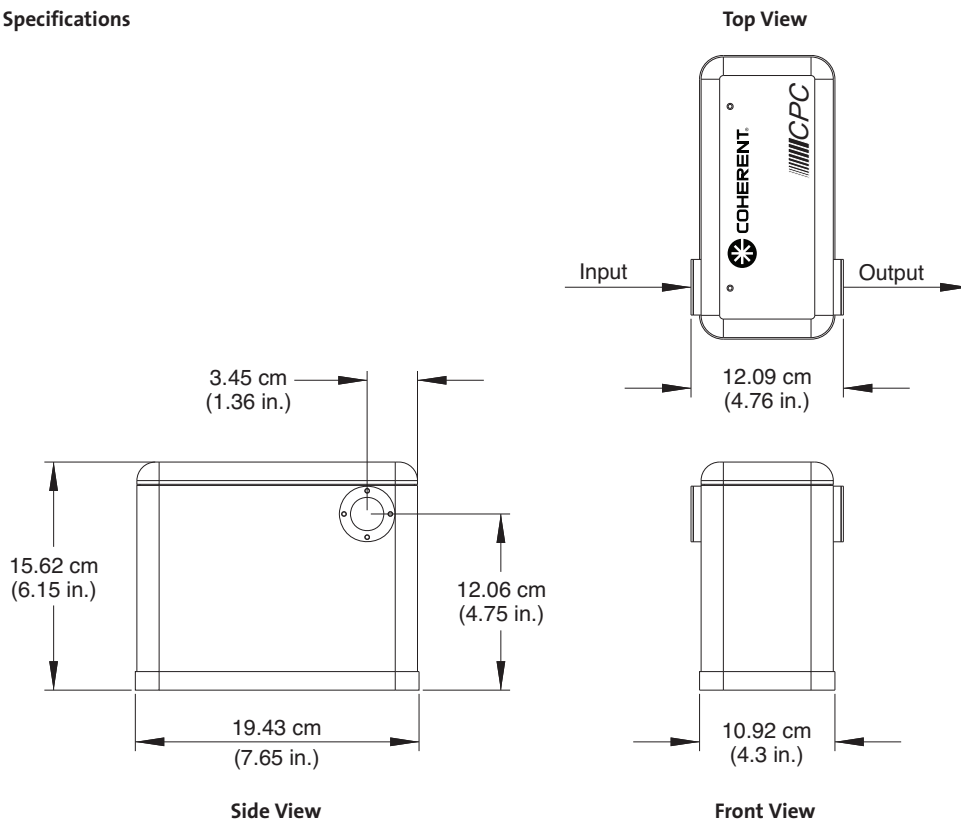
Pulse Compression Accessory for Femtosecond Oscillators



Features

- Ultra compact footprint
- Coarse and fine GDD control for precise compensation
- In-line input and output ports
- Pre-compensates for positive dispersion from downstream optics
- Compatible with Micra™ and Mantis™

Mechanical Specifications



Superior Reliability & Performance

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Pulse Compression Accessory for Femtosecond Oscillators

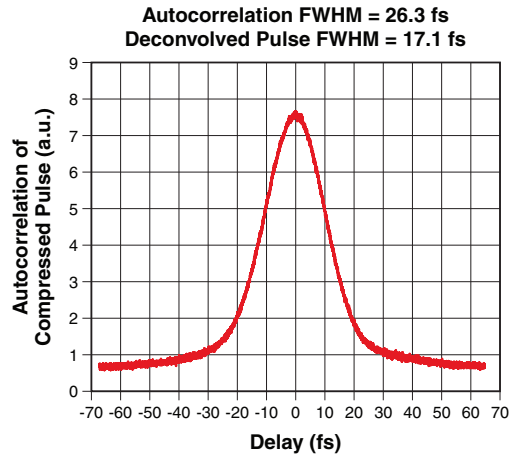
System Specifications

Typical GDD Compensation Range (fs ²)(±10%)	-440 to -2640
Coarse GDD Tuning Step Size (fs ²)	10 steps of approx. -220
Fine GDD Tuning (fs ²)	Continuous over approx. +400
Transmission Efficiency (%)	>75
Input Wavelength Range (nm)	700 to 900
Typical Output Pulse Length ¹ when used with Micra-5 ² (fs)	<15 for 100 nm bandwidth <25 for 50 nm bandwidth <40 for 30 nm bandwidth
Typical Output Pulse Length ¹ when used with Mantis-5 ² (fs)	<20 for 70 nm bandwidth
Input Beam Diameter (mm)	~2
Input Beam Height (mm)	120.7
Dimensions (L x W x H)	109.2 x 194.3 x 156.2 mm (4.3 x 7.6 x 6.2 in.)

¹ Assumes an autocorrelation deconvolution factor of 0.65.

² Pulse length and bandwidth defined at FWHM.

Typical Autocorrelation of ~75 nm Bandwidth Pulse from Mantis Compressed using the CPC



Coherent follows a policy of continuous product improvement. Specifications are subject to change without notice.

Coherent's scientific and industrial lasers are certified to comply with the Federal Regulations (21 CFR Subchapter J) as administered by the Center for Devices and Radiological Health on all systems ordered for shipment after August 2, 1976.

Coherent offers a limited warranty for all Compact Pulse Compressors. For full details of this warranty coverage, please refer to the Service section at www.Coherent.com or contact your local Sales or Service Representative.



www.Coherent.com

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